

PRIORITY**SECRET**

OUT-68520

7 OCT 69 18 09Z

P 071712Z OCT 69

FM NPIC WASHDC

TO RHCOAAA/SAC OFFUTT AFB OMAHA NEB
 RHCOAAA/544TH ARTW OFFUTT AFB OMAHA NEB
 RUCILBA/100TH SRW OL 19 MCCOY AFB FLA
 RUWMDA/100TH SRW DAVIS MONTHAN AFB ARIZ
 RUWMDA/12 SAD DAVIS MONTHAN AFB ARIZ
 RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
 RUEAIIA/CIA WASH DC
 RUCRJCS/DIA
 RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF
 RUEFHQA/HQS USAF
 BT

SECRET CITE NPIC 7160.

SAC FOR DIRI, DOSR, DISD, DM4C, DPLC; 100 SRW DAVIS MONTHAN AFB FOR
 DO, DCOI, DCM, AEMS; 12 SAD FOR MD; DIA FOR DIAXX-1; HQ USAF
 AFIGOS, AFXOIR; 15TH AF FOR DI, DO, DM4C.

77JECT: EVALUATION OF OLD HEAD MISSION G-100, FLOWN

30 SEPTEMBER 1969

REFERENCE: NPIC 7135 1 OCT 69

1. THE IMAGE QUALITY OF THIS MISSION RANGES FROM POOR TO GOOD. THE AFT LOOKING FRAMES APPEAR TO BE SLIGHTLY OUT-OF-FOCUS THROUGHOUT THE MISSION. THE FWD LOOKING FRAMES EXHIBIT SOME OUT-OF-FOCUS IMAGERY ALONG THE TITLED EDGE AT THE BEGINNING OF THE MISSION, HOWEVER, THIS DISAPPEARS AS THE MISSION PROGRESSES. DOUBLE IMAGERY IS PRESENT THROUGHOUT THE MISSION ON BOTH FWD LOOKING AND AFT LOOKING FRAMES. THE OCCURRENCE OF THIS ANOMALY IS NOT RANDOM AS REPORTED IN THE REFERENCE BUT IS PREVALENT BETWEEN 10 DEGREES RIGHT AND LEFT. MORE THAN 15 PERCENT OF THE IMAGERY IS SMEARED DUE TO VEHICLE MANEUVERING. DUE TO THESE DEGRADING FACTORS AND THE GENERAL OVEREXPOSURE OF THE MISSION MATERIAL, THE OVERALL QUALITY IS POORER THAN AN AVERAGE "B" CAMERA MISSION. HOWEVER, THE BEST IMAGE QUALITY IS SUPERIOR TO ANY IMAGERY ACQUIRED WITH THE "B" CAMERA IN THIS PROGRAM. THE INTERPRETATION SUITABILITY IS FAIR. CLOUD COVER AND HAZE OBSCURE APPROXIMATELY 10 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

- A. G-100; 30 SEPT 1969
- B. IRIS II; 8007
- C. A/C NUM: 339
- D. STEREO
- E. T/O: 1100Z
C/ON: 1324Z
- F. 3404; W/23A
- G. MX-578; NRTSC
- H. AVE. GAMMA: 2.66

3. ORIGINAL NEGATIVE:

A. EXPOSURE: THE MATERIAL IS SLIGHTLY OVEREXPOSED AT THE BEGINNING OF THE MISSION AND BECOMES MORE OVEREXPOSED AS THE MISSION PROGRESSES.

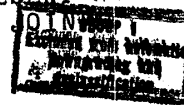
B. DENSITY AND CONTRAST: THE DENSITY OF THE MISSION IS GENERALLY HEAVY WITH LOW CONTRAST.

C. IMAGED DEGRADATIONS: BANDING PARALLEL TO THE MINOR AXIS IS PRESENT THROUGHOUT THE MISSION. FOG IS PRESENT ALONG THE TITLED EDGE AND IS ASSOCIATED WITH THE DENSE IMAGES OF CLOUDS IN THE FORMAT. THE PLUS DENSITY MARKS ASSOCIATED WITH THE SKEW BARS ARE PRESENT THROUGHOUT THE MISSION. DOUBLE IMAGERY CASUED BY THE WINDOW

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IS PRESENT AT 47 DEGREES RIGHT AND LEFT ON FWD LOOKING FRAMES AND 57 DEGREES RIGHT AND LEFT ON AFT LOOKING FRAMES. A DISTINCT DENSITY DIFFERENCE IS PRESENT ALONG THE MAJOR AXIS OF THE FILM WITH THE TITLED HALF OF EACH FORMAT BEING MORE DENSE THAN THE UNTITLED HALF. AN APPARENT WATER MARK IS PRESENT ALONG THE UNTITLED EDGE OF FRAMES 154 THRU 293 AND EXTENDS UP TO 0.75 INCHES INTO THE FORMAT. TWO PARALLEL PLUS DENSITY LINES 0.5. INCHE APART AND 11.4 INCHES FROM THE SUPPLY END ARE PRESENT IN MOST FWD LOOKING FRAMES.

D. PHYSICAL DEGRADATIONS: MINOR EMULSION SCRATCHES ARE PRESENT THROUGHOUT THE MISSION. NUMEROUS EMULSION LIFTS ARE PRESENT BETWEEN FRAMES 100 AND 200. A PORTION OF FRAME 182 (4 INCHES LONG AND UP TO 1.5 INCHES WIDE ALONG THE TITLED EDGE) WAS APPARENTLY TORN OUT OF THE RECORD AND WAS SPLICED BACK WITH TAPE. TWO SEGMENTS OF NEGATIVE, APPROXIMATELY 4 INCHES WIDE (ONE IN FRAME 534, THE OTHER IN FRAME 770) APPARENTLY WERE REMOVED AND HAND PROCESSED. THESE WERE SPLICED IN WITH HEAT SPLICES AND TAPE. NINE HEAT SPLICES, TWO MYLAR TAPE SPLICES, AND ONE ULTRANSONIC SPLICE ARE PRESENT IN THE MISSION MATERIAL.

E. DATA RECORDING EQUIPMENT: ALL DATA RECORDING EQUIPMENT FUNCTIONED PROPERLY THRU FRAME 582; AFTER WHICH ALL DATA RECORDING EQUIPMENT FAILED WITH THE EXCEPTION OF THE SCAN MARKS AND THE FWD/ AFT CAMERA POSITION INDICATOR LIGHT.

F. OTHER: THE LAST TITLED FRAME IS 1016.

4. POSITIVES: ADEQUATE FOR EXPLOITATION PURPOSES.

GP-1

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--END OFMESSAGE--